Machine Learning, Data Science and Deep Learning with Python

Complete hands-on machine learning tutorial with data science, Tensorflow, artificial intelligence, and neural networks

Created by Ligency I Team

4.5 ★★★★★ 168,097 students

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16.99 $US
~~84.99 $US~~

What you'll learn

- ✔ Build artificial neural networks with Tensorflow and Keras

- ✔ Implement machine learning at massive scale with Apache Spark's MLLib

- ✔ Classify images, data, and sentiments using deep learning

- ✔ Make predictions using linear regression, polynomial regression, and multivariate regression

- ✔ Data Visualisation with MatPlotLib and Seaborn

- ✔ Understand reinforcement learning - and how to build a Pac-Man bot

- ✔ Classify data using K-Means clustering, Support Vector Machines (SVM), KNN, Decision Trees, Naive Bayes, and PCA

- ✔ Use train/test and K-Fold cross validation to choose and tune your models

- ✔ Build a movie recommender system using item-based and user-based collaborative filtering

Course content

13 sections • 116 lectures • 15h 36m total length

Chapter 1: Getting Started

Chapter 2: Statistics and Probability Refresher, and Python Practice

Chapter 3: Predictive Models

Chapter 4: Machine Learning with Python

Chapter 5: Recommender Systems

Chapter 6: More Data Mining and Machine Learning Techniques

Chapter 7: Dealing with Real-World Data

Chapter 8: Apache Spark: Machine Learning on Big Data

Chapter 9: Experimental Design/ ML in the Real World

Chapter 10: Deep Learning and Neural Networks

Chapter 11: Generative Models

Chapter 12: Final Project

Chapter 13: You made it!

Requirements

- You'll need a desktop computer (Windows, Mac, or Linux) capable of running Anaconda 3 or newer. The course will walk you through installing the necessary free software.

- Some prior coding or scripting experience is required.

- At least high school level math skills will be required.

Who this course is for

Software developers or programmers who want to transition into the lucrative data science and machine learning career path will learn a lot from this course.

Technologists curious about how deep learning really works

Data analysts in the finance or other non-tech industries who want to transition into the tech industry can use this course to learn how to analyze data using code instead of tools. But, you'll need some prior experience in coding or scripting to be successful.

If you have no prior coding or scripting experience, you should NOT take this course - yet. Go take an introductory Python course first.

Everything about

Courses Details

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Unleash your potential

This courses includes

📹 15.5 hours on-demand video

📄 6 article

⬇ 1 downloadable resource

♾ Full lifetime access

📱 Access on Mobile and TV

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